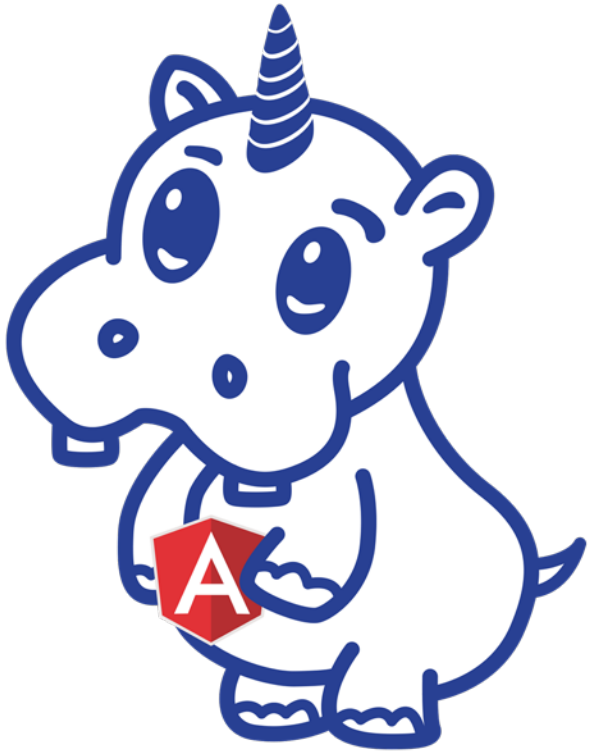

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Learn Angular

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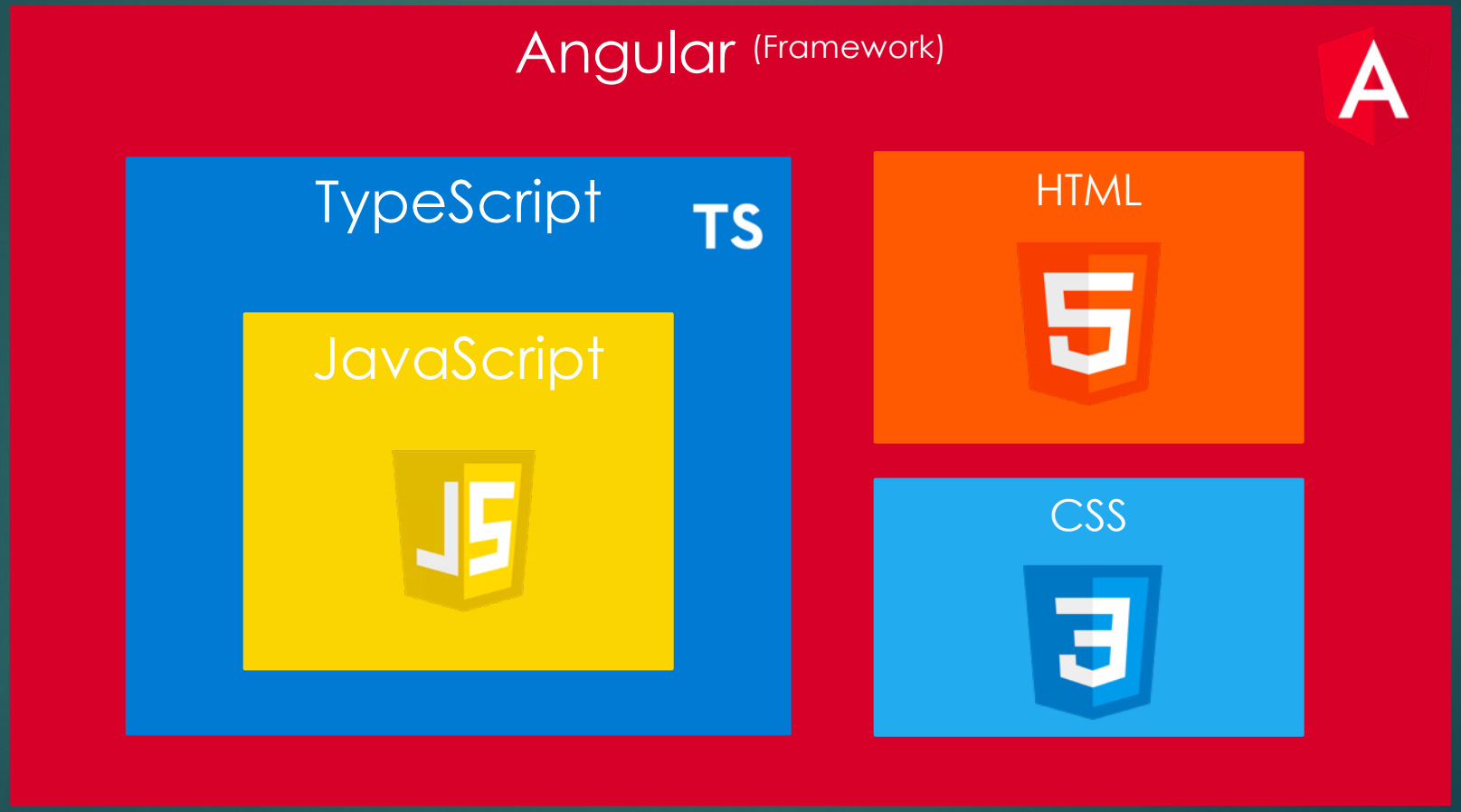
Angular (Framework)
TypeScript
TS
JavaScript
HTML
CSS

Application Web traditionnelle

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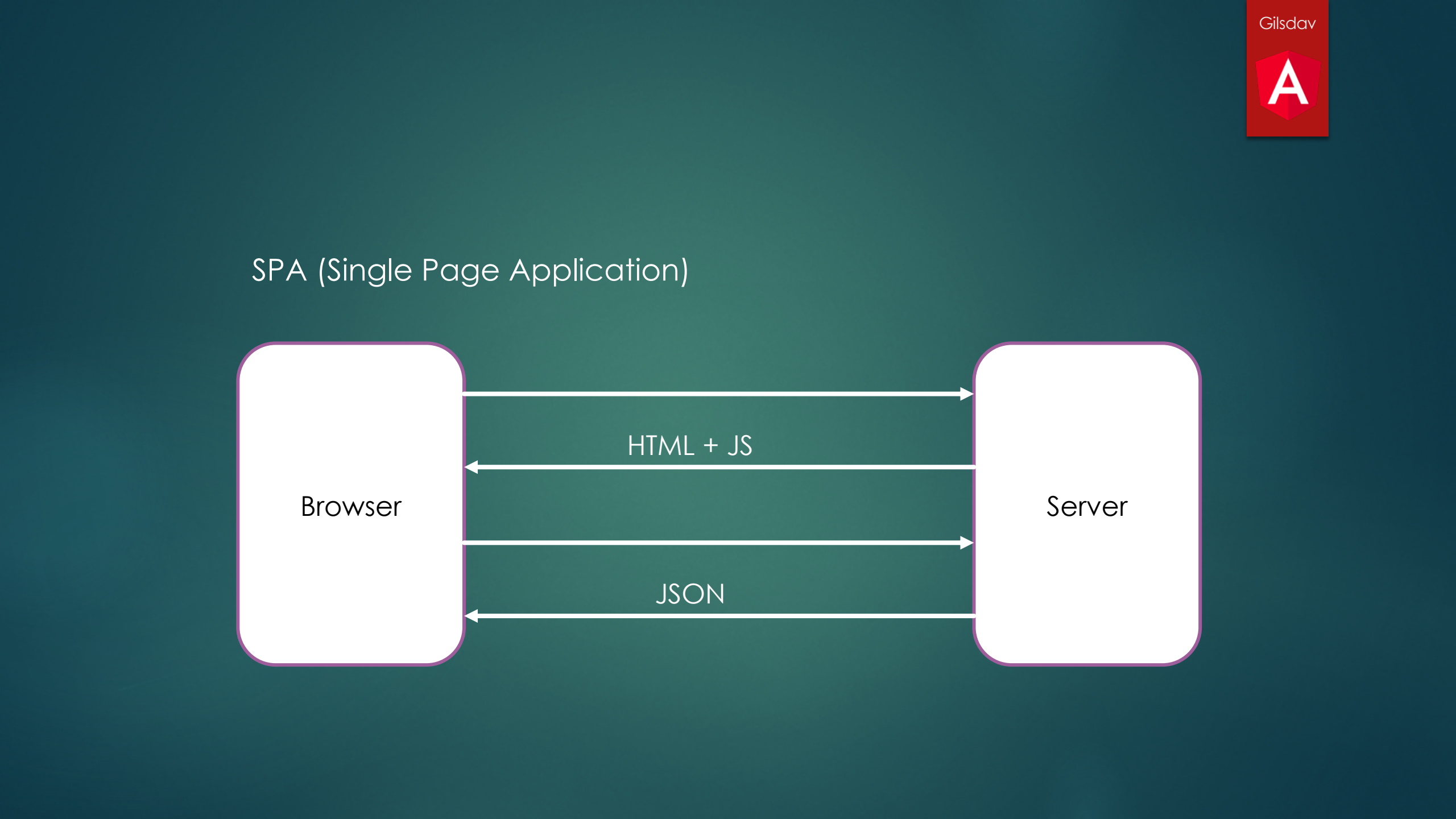

SPA (Single Page Application)

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Angular = Components

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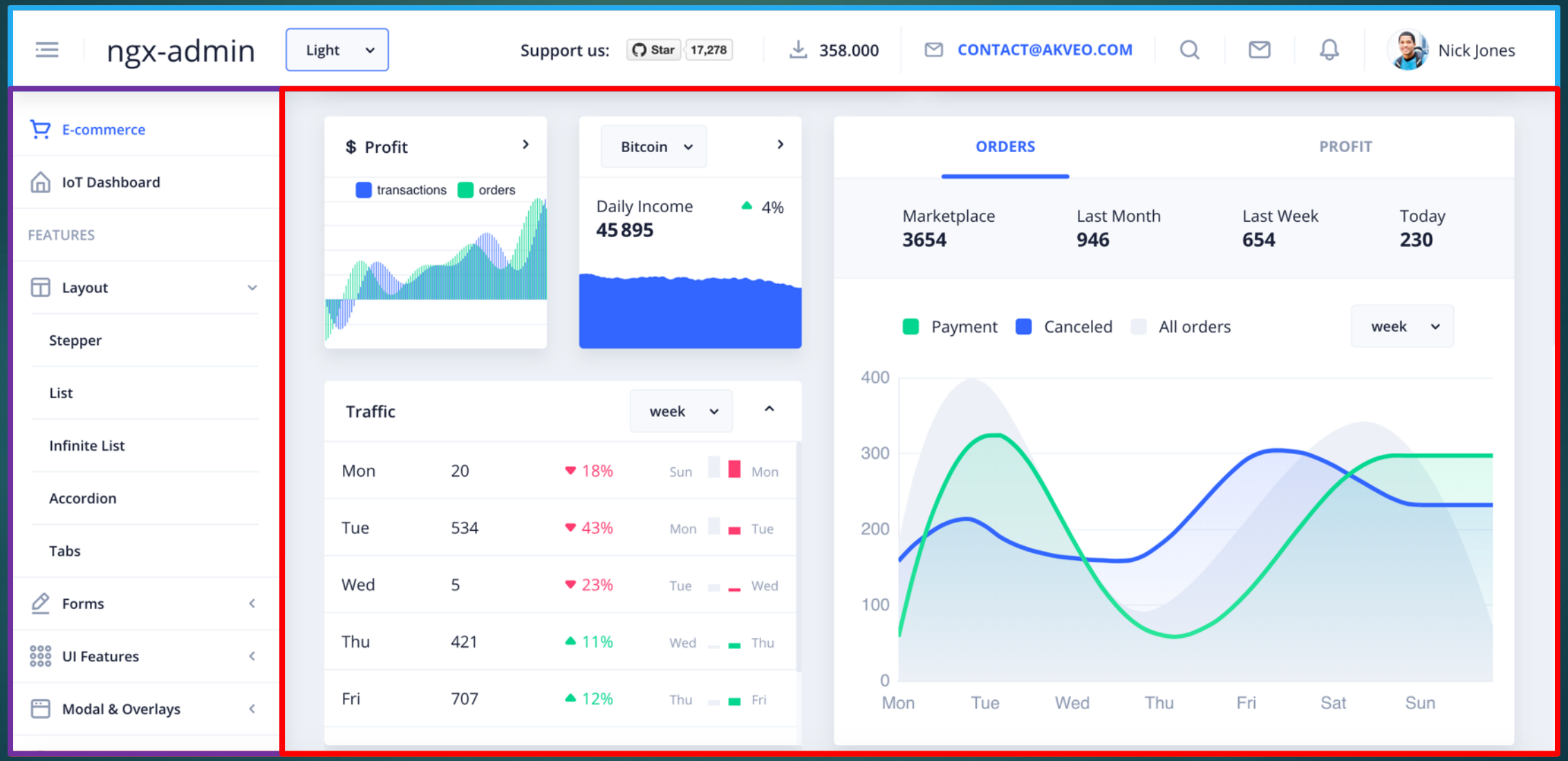
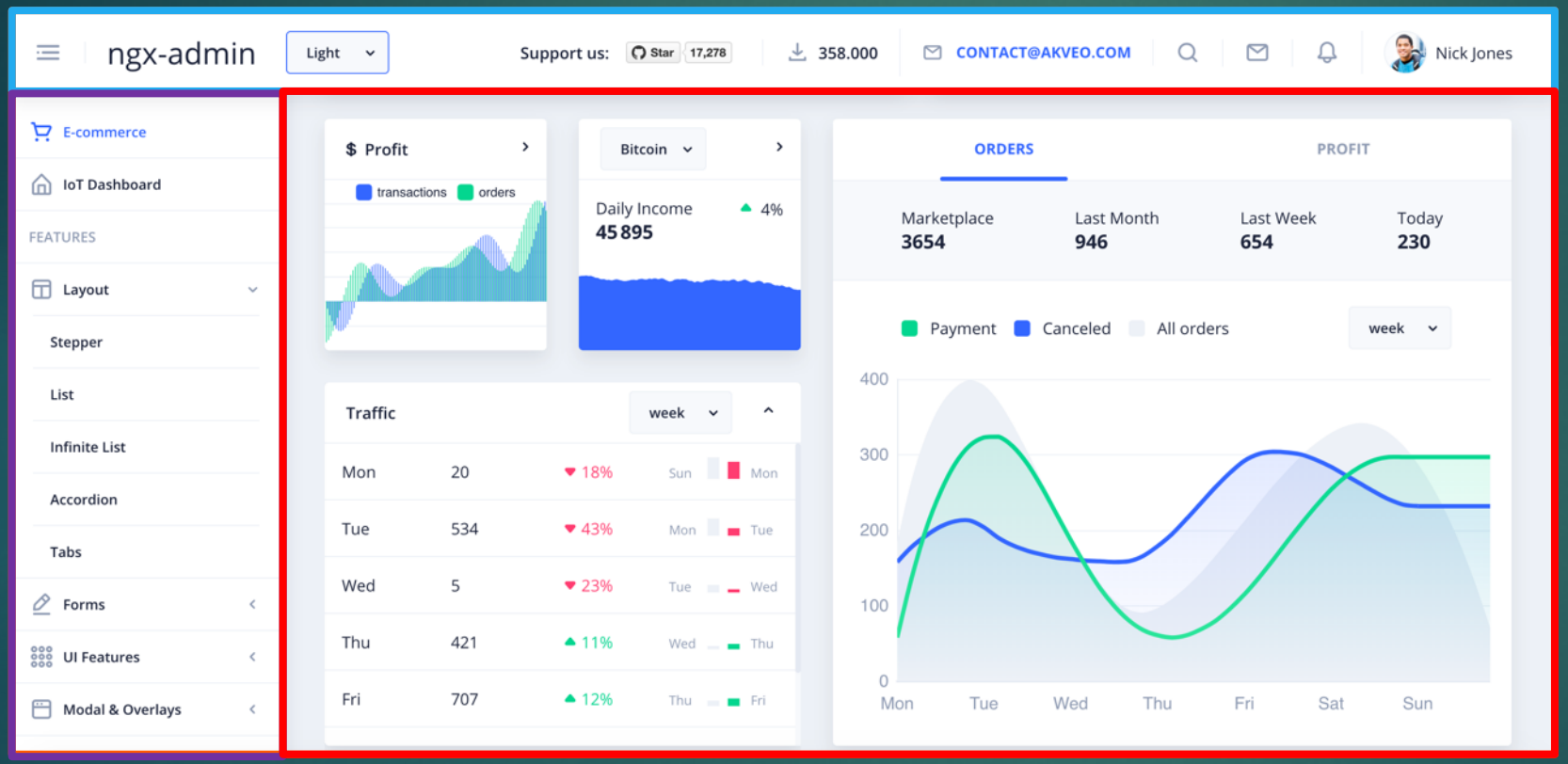

ngx-admin
Light
Support us:
Star
17,278
358.000
CONTACT@AKVEO.COM
Nick Jones
E-commerce
IoT Dashboard
FEATURES
Layout
Stepper
List
Infinite List
Accordion
Tabs
Forms
UI Features
Modal & Overlays
$ Profit
transactions
orders
Bitcoin
Daily Income
45 895
4%
Traffic
week
Mon 20 18%
Tue 534 43%
Wed 5 23%
Thu 421 11%
Fri 707 12%
Sun
Mon
Tue
Wed
Thu
Fri
ORDERS
PROFIT
Marketplace
3654
Last Month
946
Last Week
654
Today
230
Payment
Canceled
All orders
week
400
300
200
100
0
Mon
Tue
Wed
Thu
Fri
Sat
Sun

Gilsdav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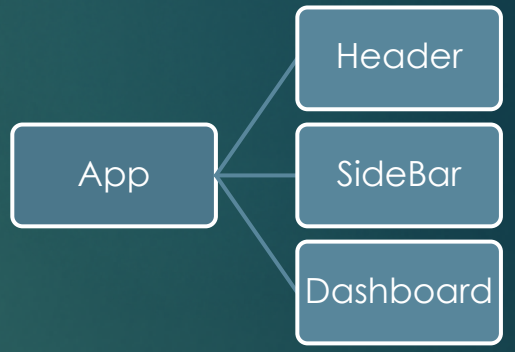
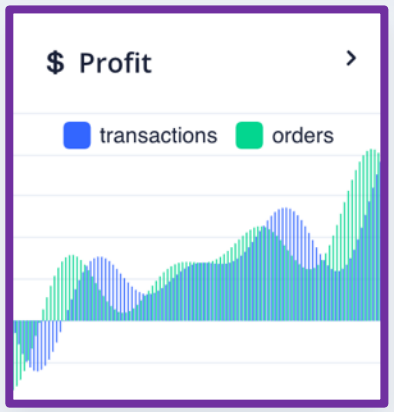
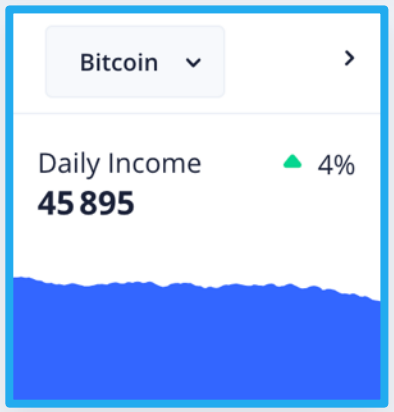
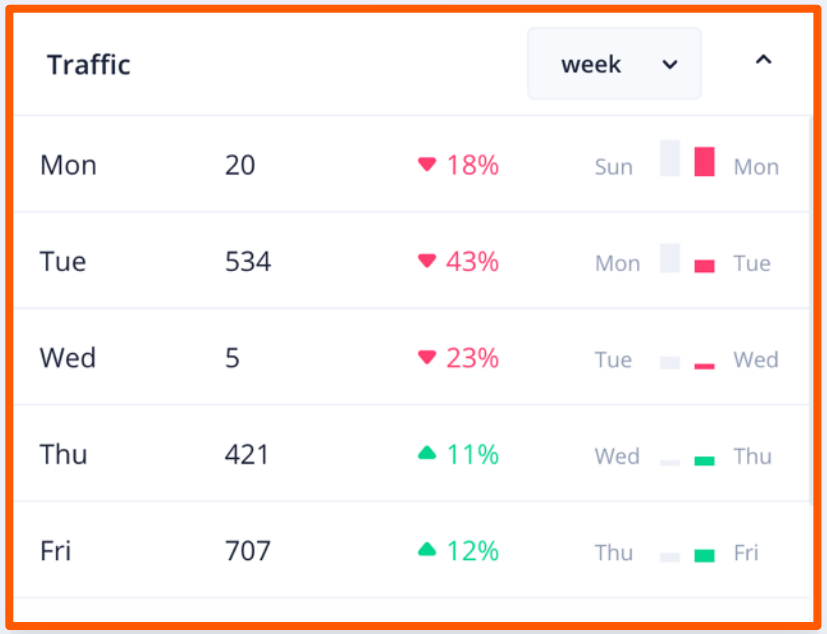
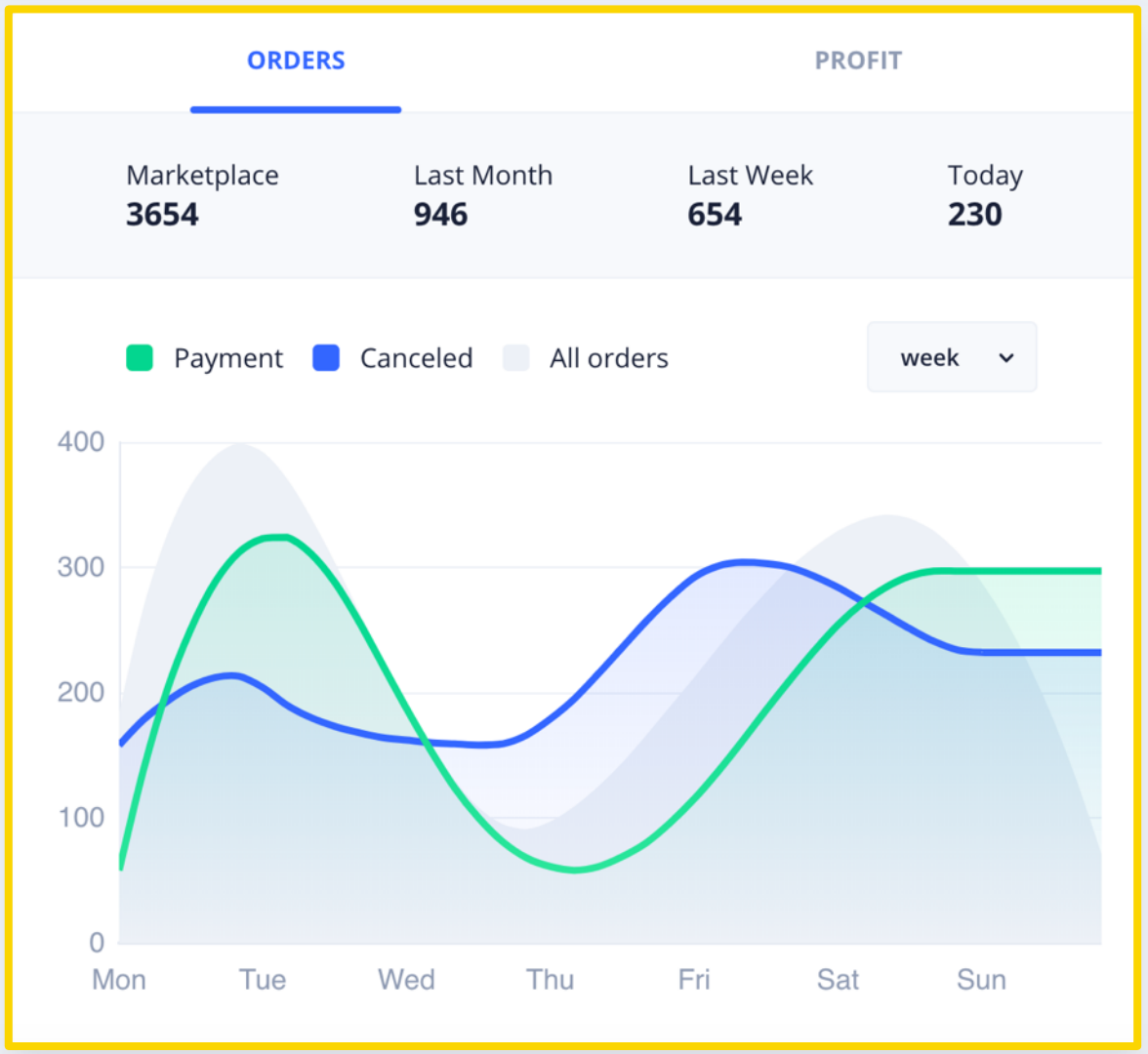

App
Header
SideBar
Dashboard

Gilsdav

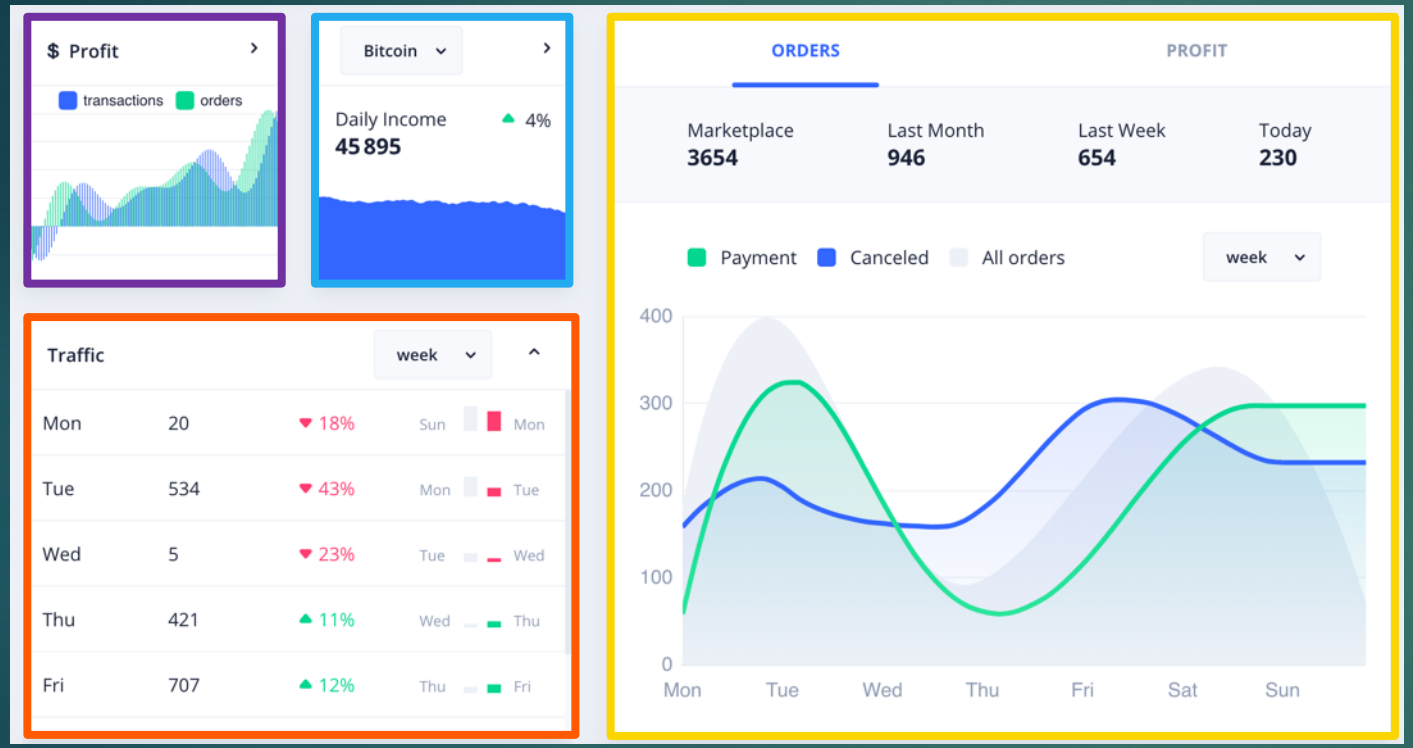

$ Profit
transactions
orders


Bitcoin
Daily Income
45 895
4%


Traffic
week
Mon 20 18% Sun Mon
Tue 534 43% Mon Tue
Wed 5 23% Tue Wed
Thu 421 11% Wed Thu
Fri 707 12% Thu Fri


ORDERS
PROFIT
Marketplace
3654
Last Month
946
Last Week
654
Today
230
Payment
Canceled
All orders
week
400
300
200
100
0
Mon
Tue
Wed
Thu
Fri
Sat
Sun

Gilsdav


$ Profit
transactions
orders
Bitcoin
Daily Income
45 895
4%
Traffic
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Payment
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All orders
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400
300
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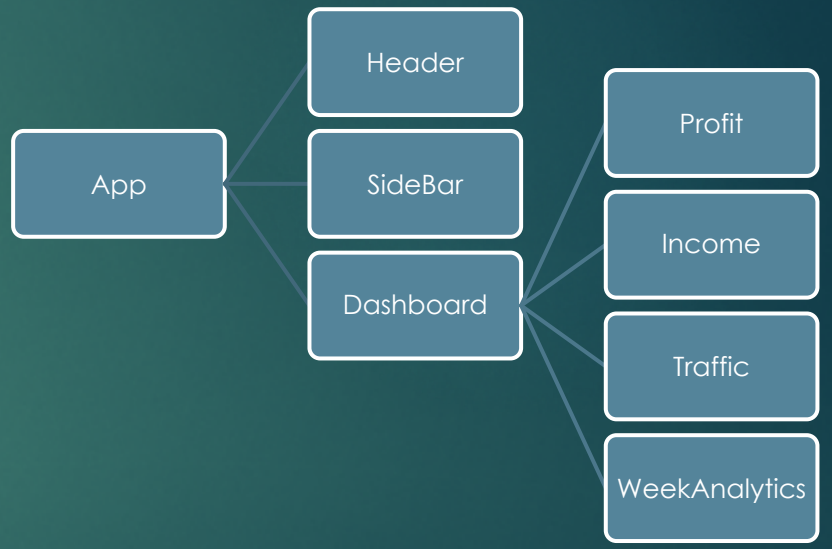
Fri
Sat
Sun


App
Header
SideBar
Dashboard
Profit
Income
Traffic
WeekAnalytics

Gilsdav

Built-in

-
-
- <input/>
- <textarea></textarea>
- …

Custom

- <app-header></app-header>
- <app-dashboard></app-dashboard>
- <app-sidebar></app-sidebar>
- <app-profit></app-profit>
- …

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```
export class DashboardComponent {

    constructor() {}

}
```

+

```
@Component({
    selector: 'app-dashboard',
    templateUrl: './dashboard.component.html',
    styleUrls: ['./dashboard.component.scss']
})
```

=

dashboard.component.ts

```
import { Component } from '@angular/core';

@Component({
    selector: 'app-dashboard',
    templateUrl: './dashboard.component.html',
    styleUrls: ['./dashboard.component.scss']
})
export class DashboardComponent {
    constructor() {}
}
```

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dashboard.component.html

```
<div>
    <app-profit class="col-3"></app-profit>
    <app-income class="col-3"></app-income>
    <app-week-analitycs class="col-6"></app-week-analitycs>
    <app-traffic class="col-6"></app-traffic>
</div>
```

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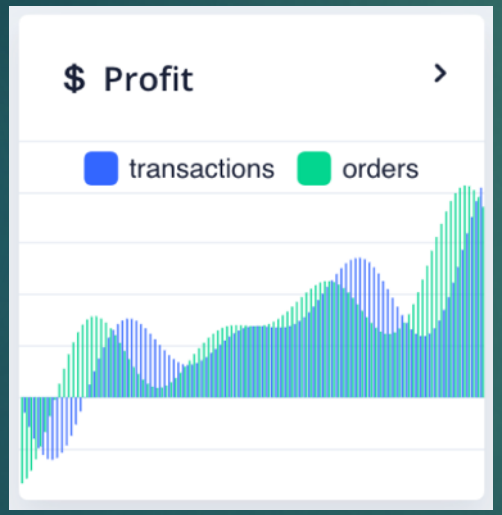
```
<input id="name" value="Gilsdav" placeholder="ex: Gilsdav" />
```




```
<app-profit currency="€"></app-profit>
```

```
<app-profit
    currency="€"
    [transactions]="transctionsList"
    [orders]="ordersList">
</app-profit>
```

```
export class ProfitComponent {

    @Input() currency: string;
    @Input() transactions: Transaction[];
    @Input() orders: Orders[];

    constructor() {}

}
```

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```
<input oninput="myFunction()" />
```

```
<input (input)="myFunction()" />
```



```
<app-profit (showMore)="myFunction()"></app-profit>
```

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```
export class ProfitComponent {

    @Output() showMore = new EventEmitter<boolean>();

    constructor() {}

    public clickShowMore(): void {
        this.showMore.emit(true);
    }

}
```

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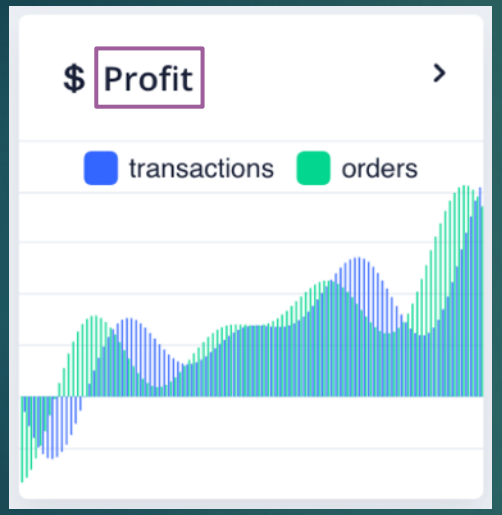

profit.component.ts

```ts
export class ProfitComponent {

    public title = 'Profit';

    constructor() {}

}
```

profit.component.html

```html
<h1>{{title}}</h1>
```

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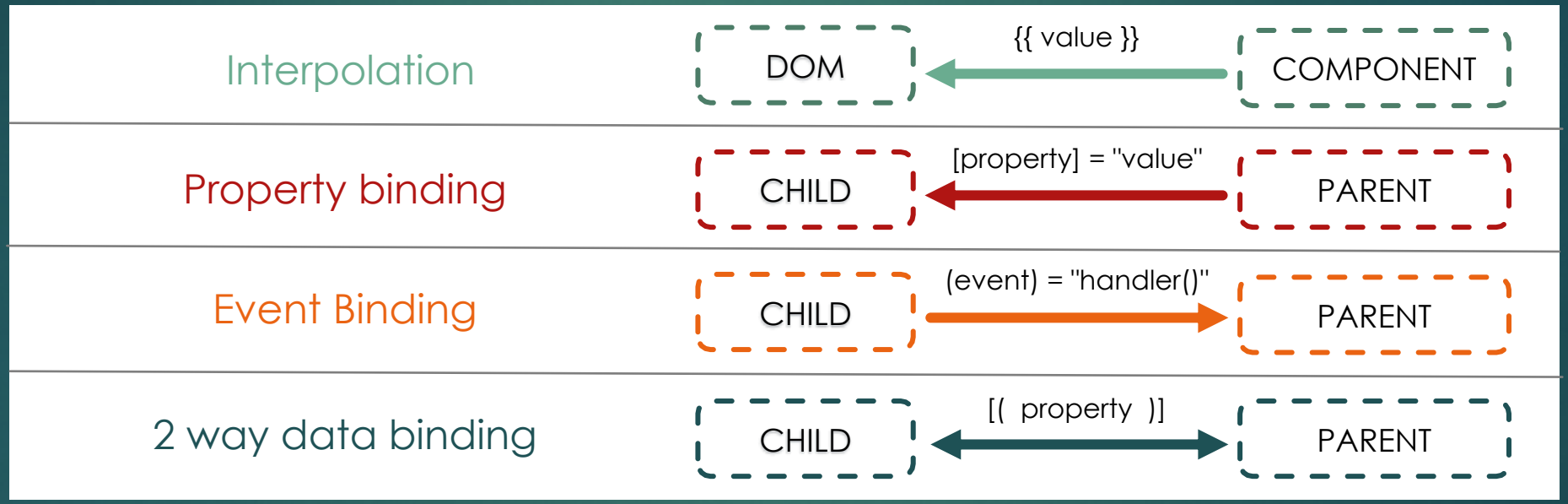
Interpolation
DOM
{{ value }}
COMPONENT
Property binding
CHILD
[property] = "value"
PARENT
Event Binding
CHILD
(event) = "handler()"
PARENT
2 way data binding
CHILD
[(property)]
PARENT

```
export class ProfitComponent {

    @Input() data: MyData;
    @Output() dataChange = new EventEmitter<MyData>();

    constructor() {}

    ...

}
```

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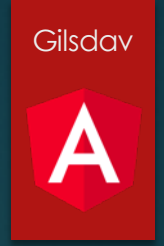
Manipulation du DOM



- ngIf
  - Ajouter ou enlever du DOM
- ngFor
  - Répéter un élément du DOM en itérant sur un tableau
- ngSwitch
  - Choisir l'élément à ajouter dans le DOM

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```
<p *ngIf="condition" >To Hide</p>
```

```
<ul>
    <li *ngFor="let item of items" > {{item}} </li>
</ul>
```

```
<span [ngSwitch]="status">
    <p *ngSwitchCase="true">
        Success
    </p>
    <p *ngSwitchCase="false">
        Error
    </p>
    <p *ngSwitchDefault>
        Loading
    </p>
</span>
```

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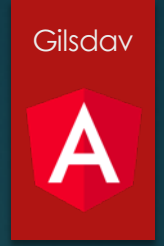

Cycle de vie

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Constructor

OnChanges

OnInit

AfterViewInit

OnDestroy

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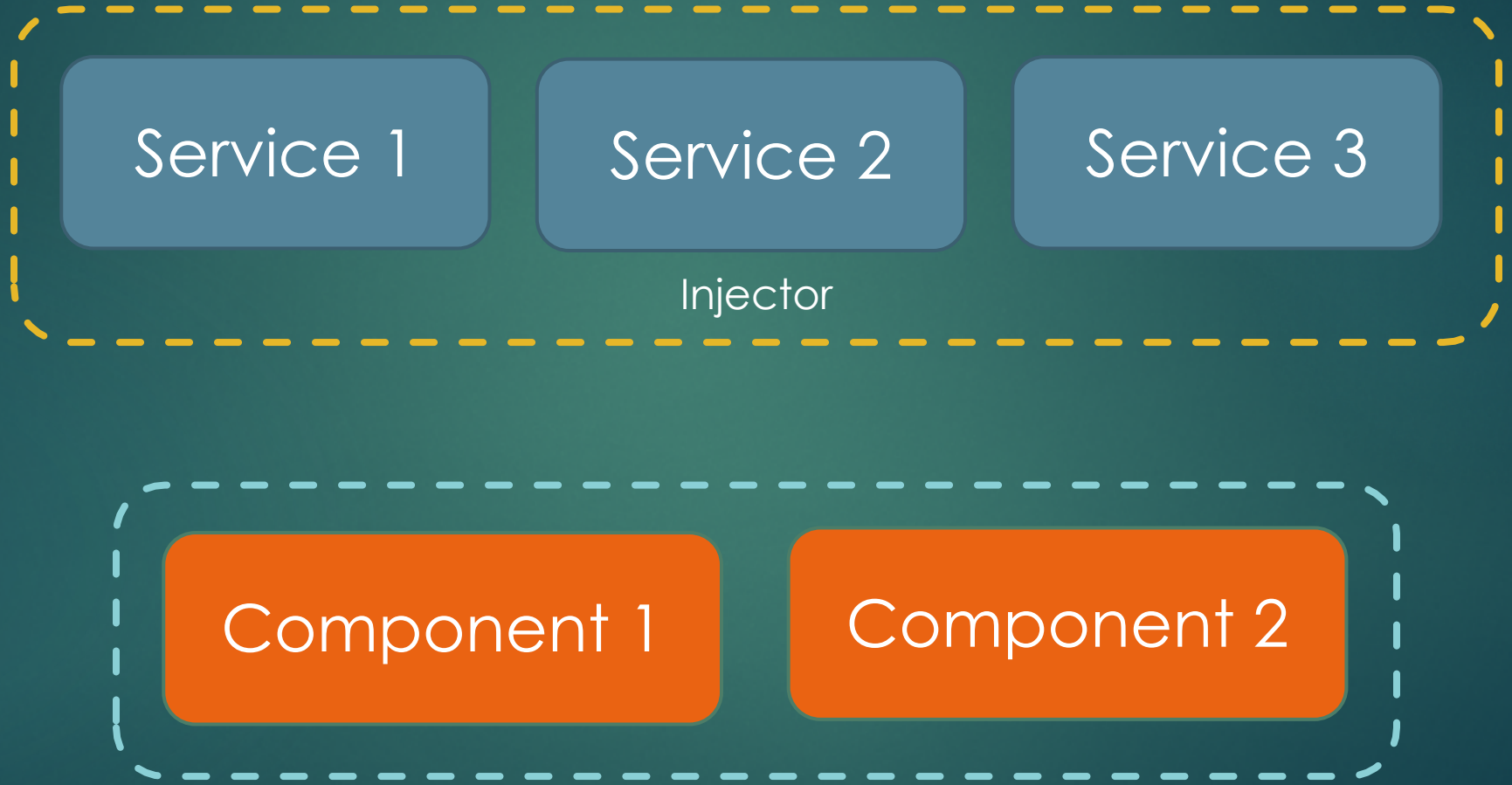
Injection de dépendance


Service 1
Service 2
Service 3
Injector
Component 1
Component 2

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Service 1
Service 1
Service 2
Service 3
Injector


Component 1
Component 2

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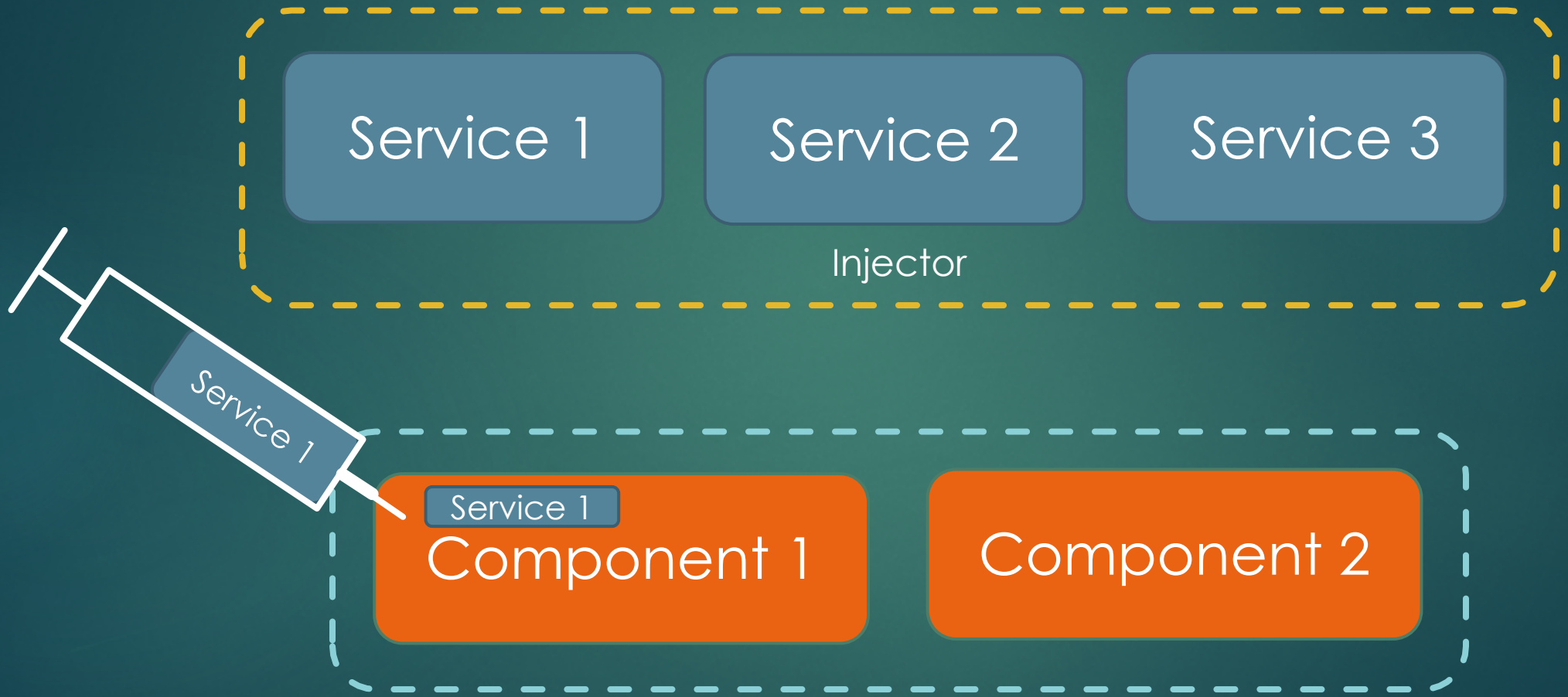
Service 1
Service 2
Service 3
Injector
Service 1
Service 1
Component 1
Component 2

```
@Injectable()
export class MessageService {
    private messages: string[] = [];

    public add(message: string) {
        this.messages.push(message);
    }

    public clear() {
        this.messages = [];
    }

    public getMessages(): string[] {
        return [...this.messages];
    }

}
```

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```
export class DashboardComponent implements OnInit {

    constructor(private messageService: MessageService) {}

    ngOnInit() {
        this.messageService.push('Hello’);
    }

}
```

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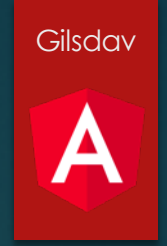

Création d'un projet

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```
npm install -g @angular/cli
```

```
ng new my-project-name
```

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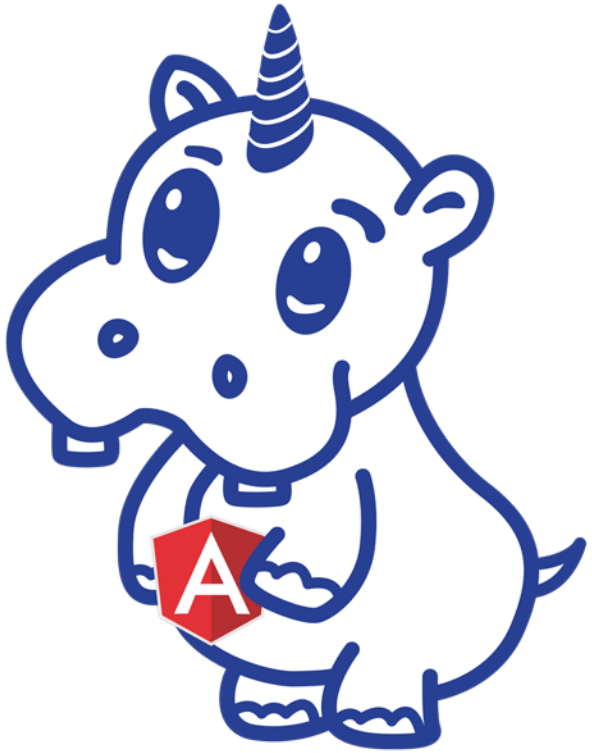
Démo



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Questions ?

Merci !

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